WELCOME

Thank you for purchasing our product!

Before installation, please read this user's guide carefully and keep this for future references.

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Chapter1 Product Description

1.1 General Description

NV & DG Series DVR Boards are professional digital security products using H.264 video and PCM/ADPCM (G.711) audio compression technology. They are designed for real time video & audio capturing with encoding in surveillance system. Different models of NV & DG series cards can be mixed installed and operate smoothly in one PC DVR.

1.1.1 Feature

- Comply with PCI 2.2 / PCI-E 1.0 standard
- Support Windows 2000/2003 / Windows XP / Vista / 7, 32 / 64-bit OS
- Support up to 64 channel input in a PC
- Support 4CIF preview on any cameras, support 1920x1080 layout.
- Support dual stream encoding
- User-adjustable image quality and bit rate
- User-adjustable video brightness / hue / contrast
- Build-in motion detect
- Support OSD, LOGO, and mask settings
- Support video output (some specific model)

1.2 Technical Specification

1.2.1 NV40XXHC Series

Model	NV4004HC	NV4008HC	NV4016HC
Video Compression	H.264		
Input	4/8/16 CH BNC(1.0Vp-p, 75Ω)		
Preview Resolution	704*576(PAL), 704*480(NTSC)		
Encoding	Full-channels D1 with 12/15fps, no sub stream; Full-channels DCIF/CIF or half-channels D1 with 25/30fps, support sub stream in CIF/QCIF with 25/30fps		
Recording Bit Rate	48K~900K bps(CIF) per channel 80K~1.5M bps(DCIF) per channel 108K~2.4M bps(4CIF) per channel		
Audio Input	4 / 8 / 16 Ch BNC (2.0Vp-p, 1Kohm)		
Audio Compression	G.711, 16bit/8KHz, 64Kbps		
Working Environment	-10 ~ +55℃ / 10 ~ 90%RH / 86 ~ 106kpa		
Power Consumption	3.5W	7.5W	21W
Dimension (unit: mm)	152*87	201*101	250*98

1.2.2 DG40xxHC Series

Model	DG4004HC	DG4008HC(-E)	DG4016HC(-E)
Video Compression	H.264		
Standard	PAL / NTSC		
Input	4/8/16 CH BNC(1.0Vp-p, 75Ω)		
Preview Resolution	4CIF/CIF, Realtime		
Encoding	Full-channels D1 with 12/15fps, no sub stream; Full-channels DCIF/CIF or half-channels D1 with 25/30fps, support sub stream in CIF/QCIF with 25/30fps		
Recording Bit Rate	48K-900K bps(CIF) per channel 80K-1.5M bps(2CIF) per channel 108K-2.4M bps(4CIF) per channel		
Audio Input	4/8/16 Ch BNC (2.0Vp-p, 1Kohm)		
Audio Compression	G.711, 16bit/8KHz, 64Kbps		
Working Environment	-10~+55℃ / 10~90%RH / 86~106kpa		
Power Consumption	3W	7W	11W
Dimension (unit: mm)	152.5*93.2	182.5*106.6	257*106.6

1.2.3 DG41xxHC(HF) Series

Model	DG4108HC	DG4116HC	DG4108HF
Video Compression	H.264		
Standard	PAL/NTSC		
Input	8/16 CH BNC(1.0Vp-p, 75Ω)		
Preview Resolution	4CIF/CIF, Realtime		
Encoding	Full-channels D1 with 6 / 7fps, half-channels 2CIF with 12 / 15fps Sub Stream: N/A		Full-channels D1 / 2CIF / CIF with 25 / 30fps
	Full channels CIF with 25/30fps Sub Stream: QCIF with 25/30fps		Sub Stream: CIF/QCIF with 25/30fps
Recording Bit Rate	48K~900K bps(CIF) per channel 80K~1.5M bps(2CIF) per channel 108K~2.4M bps(4CIF) per channel		
Audio Input	8/16 Ch BNC (2.0Vp-p, 1Kohm)		
Audio Compression	G.711, 16bit/8KHz, 64Kbps		
Working Environment	-10 ~ +55℃ / 10~90%RH / 86 ~ 106kpa		
Power Consumption	3W	7W	11W
Dimension (unit: mm)	152.5*93.2	182.5*106.6	257*106.6

1.2.4 DG42xxHF Series

Environment Requirement

Model	DG4208HF	DG4216HF
Video Compression	H.264	
Standard	PAL/NTSC	
Input	8/16 BNC(1.0Vp-p, 75Ω)	
Preview Resolution	4CIF/CIF, Realtime	
Encoding	Full-channels D1 / 2CIF / CIF with 25/30fps	
Sub Stream	CIF/QCIF : 1~25/30fps	
Recording Bit Rate	48K~900K bps(CIF) per channel 80K~1.5M bps(DCIF) per channel 108K~2.4M bps(4CIF) per channel	
Video Output	1 CH BNC	1CH BNC
	1 / 4 / 8 / 9 / 16 Views, support tour display	
Audio Input	8 / 16 Ch BNC (2.0Vp-p, 1Kohm)	
Audio Compression	G.711, 16bit/8KHz, 64Kbps	
Working Environment	-10 ~ +55℃ / 10~90%RH / 86~106kpa	
Power Consumption	8W	12W
Dimension (unit: mm)	145*93	175* 106.6

Note: The DG4216HF has two video-audio cables. So the DG4216HF has two TV outputs. But only the first TV output (the TV output of the cable that connects to upper interface) is available.

1.2.5 DG4204HD

Model	DG4204HD
Video Compression	H.264
Standard	1080P(25,30)/1080I(50,60)/720P(25,30,50,60)
Input	4 channel, HD-SDI HD video, BNC
Preview Resolution	Max 1080P(1920×1080), Realtime
Encoding Resolution	1080P(1920×1080), 720P(1280×720), 1080P/4(960×540), 720P/4(640×360), 1080P/16(480×270), 720P/16(320×180)
Frame Rate	1~25/30fps at all resolutions
Sub Stream	1080P/4, 720P/4, 1080P/16, 720P/16 with 25/30 fps
Recording Bit Rate	256Kbps~8Mbps per channel
Video Output	1 CH HDMI (1920*1080) or 1 CH VGA (1280×1024)
	1/4 display split, Support Tour function
Audio Input	4 CH BNC (2.0Vp-p, 1Kohm)
Audio Compression	G.711, 16bit/8KHz, 64Kbps
Working Environment	-10 ~ +55℃ / 10~90%RH / 86~106kpa
Power Consumption	16W
Dimension (unit: mm)	250*106.6

Chapter2 Environment Requirement

2.1 Operating System

- Supports Windows 2000/2003 / Windows XP / Vista / 7 32&64bit.
- Windows XP and Windows7 32bit OS are preferred.
- DirectX OS version should be 8.1 or above.
- Screen resolution should be 1024*768 or above.

2.2 CPU and Motherboard

- Intel CPU is preferred, but AMD CPU will also be supported.
- Motherboards should be based on Intel or AMD chipset.
- Motherboards from reliable manufacturers such as Intel, Asus, Gigabyte, etc, or specific DVR motherboard such as 945GC.

2.3 System Memory

- The memory of the system should be 1GB or above.

2.4 Video Adapter

- Best to use AMD or NVIDIA independent video adapter, or INTEL integrated display unit. Please install the latest official drivers for the video adapters.
- Video adapter RAM should be 512MB or above.

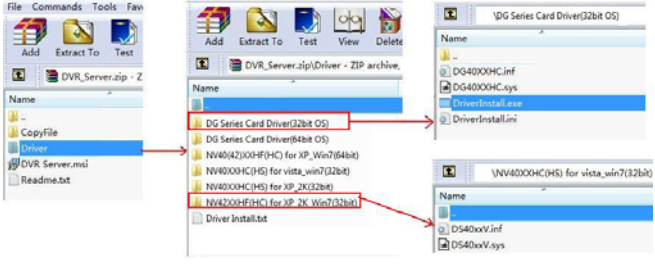
2.5 HDD

Please select hard disks from reliable manufacturers.

Some hard disk or RAID card supports Intelligent Power feature that helps to save power by reducing the RPM (spinning speed of the hard drive). Please disable this feature, because if the RPM gets reduced, the HDD read/write speed will be lowered and the recorded data cannot be written onto the hard disk fast enough. This will create problems such as video distortion and frame lost.

Chapter3 Driver Installation

The DVR Server installer is packaged with drivers for different OS and card models. Please select the appropriate driver accordingly.



Driver Directory

After you installed the card into an empty PCI or PCI-E slot, turn on the PC to start Windows. Windows Hardware Wizard will detect the newly installed card and this panel will appear:

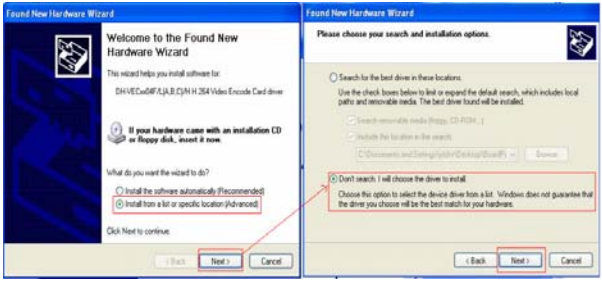
Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
DH-VECxx04F/L(A,B,C)/H H.264 Video Encode Card driver
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel

There are two ways to install the driver: follow the wizard to install the driver manually, or ignore the wizard and install the driver by using DriverInstall.exe . If you choose the first way, please go to step 1, otherwise, start from step 4.

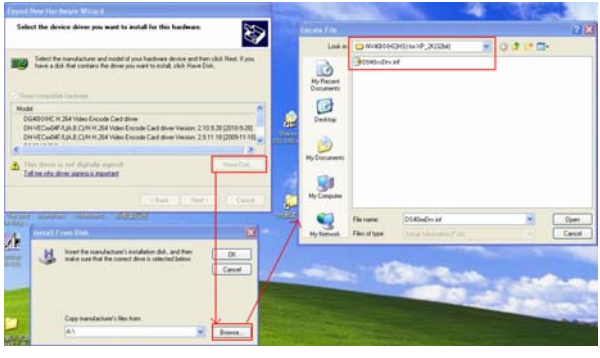
Note: the first way is preferred, especially when both the DG and NV series card are installed in one PC. "DriverInstall.exe" might NOT be available on selective OS for some board models.

Driver Install Steps:

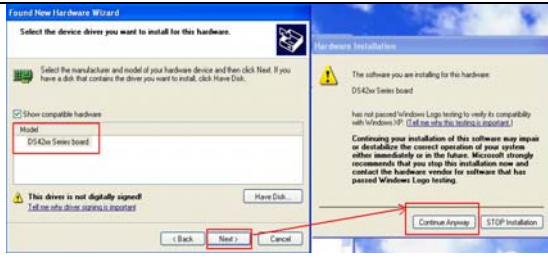
1. In the New Hardware Wizard page, select "Install from a specific location (Advanced)", then click next to choose the driver to install.


Found New Hardware Wizard
Welcome to the Found New Hardware Wizard
This wizard helps you install software for:
If your hardware came with an installation CD or floppy disk, insert it now.
What do you want the wizard to do?
Install the software automatically (Recommended)
Install from a list or specific location (Advanced)
Click Next to continue.
< Back
Next >
Cancel
Found New Hardware Wizard
Please choose your search and installation options.
Search for the best driver in these locations.
Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< Back
Next >
Cancel

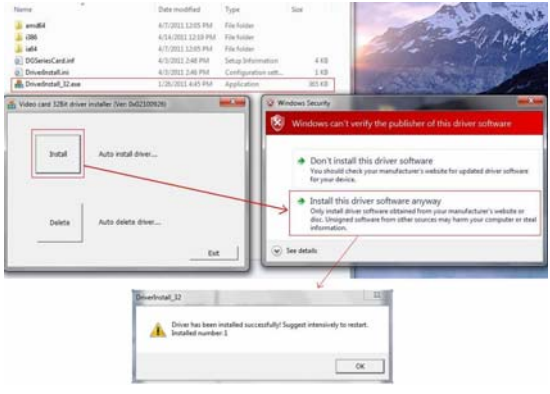
2. Locate the driver folder and select the correct driver to install.


Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Model
Have Disk...
Tell me why driver signing is important
< Back
Next >
Cancel
Install From Disk
Insert the manufacturer's installation disk, and then make sure that the correct drive is selected below.
OK
Cancel
Copy manufacturer's files from:
A:\
Browse...
Locate File
Look in:
My Recent Documents
Desktop
My Documents
My Computer
My Network
File name:
Files of type:
Open
Cancel

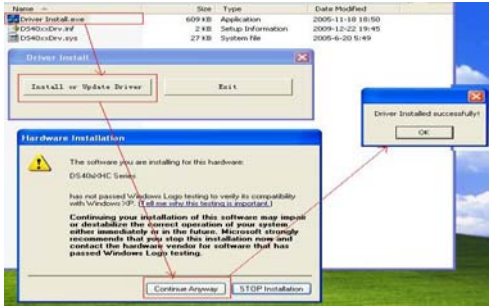
The driver will show up in the compatible hardware window. Click next. A warning dialog box will popup; click "Continue Anyway" to finish the driver installation.


Found New Hardware Wizard
Select the device driver you want to install for this hardware.
Select the manufacturer and model of your hardware device and then click Next. If you have a disk that contains the driver you want to install, click Have Disk.
Show compatible hardware
Model
DS42xx Series board
This driver is not digitally signed!
Tell me why driver signing is important
Have Disk...
< Back
Next >
Cancel
Hardware Installation
The software you are installing for this hardware:
DS42xx Series board
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

4. You can also run the ***DriverInstall.exe*** to install the driver.



Install driver for DG Series Board by DriverInstall.exe

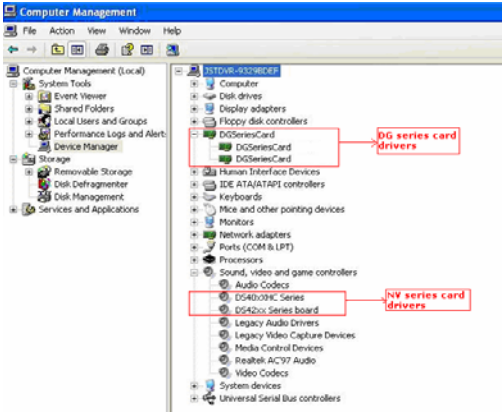

Name
Size
Type
Date Modified
Driver Install.exe
609 KB
Application
2005-11-10 19:50
DS40xxDrv.inf
2 KB
Setup Information
2009-12-22 19:45
DS40xxDev.sys
27 KB
System file
2005-6-20 5:49
Driver Install
Install or Update Driver
Exit
Driver Installed successfully!
OK
Hardware Installation
The software you are installing for this hardware:
DS40x0HC Series
has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.)
Continuing your installation of this software may impair or destabilize the correct operation of your system, either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
Continue Anyway
STOP Installation

Install driver for DG Series Board by DriverInstall.exe

Note: For DG series board, when the drivers are installed completely, system will inform you to restart the computer, please do it. There is no such a need for NV series board.

5. Open the device manager to check if the driver is correct. Driver for NV series boards can be found under the directory “Sound, video and game controllers” while driver for DG series boards can be found under the directory “DGSeriesCard”. Please make sure that the total number of drivers should equal to the total number of DSPs on all installed cards in the PC.

If the board cannot be identified by the DVR Server software, please open the device manager to check the driver. If the driver is not on available status, please right click on the driver and select update. Then follow the previous steps to install the proper driver manually and restart the computer. If this is not work, please contact the technician.



Drivers shown in the device manager

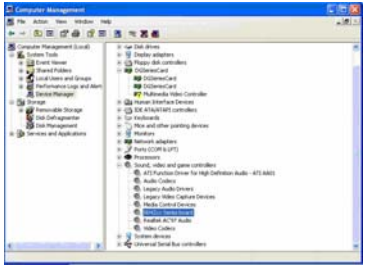
3.1 Install NV & DG Card Together

NV and DG series cards can operate together in one PC as long as all drivers are installed correctly. There are installation differences between Windows XP and Windows 7.

3.1.1 In Windows XP

In this example, let us assume that there are 4 cards inserted in the system: DG4108HC in the first PCI slot, DG 4004HC in the third, NV4208HFV in the fourth and NV4004HC in the fifth one. Please cancel New Hardware Wizard for all cards. Then open device manager. You

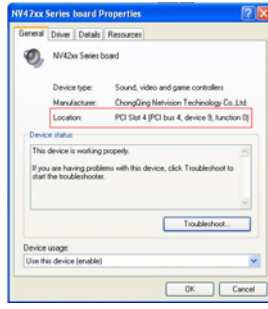
will see the interface as below.



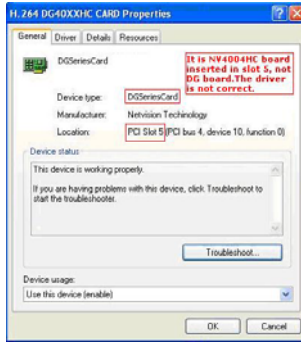
Check and update the drivers

In windows XP, right-single-click on the driver, then the driver location will be described as below (marked with red box).

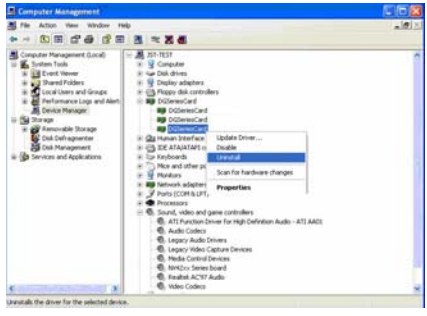
There is “PCI Slot X” displayed here so that you can locate different drivers according to the slot number.



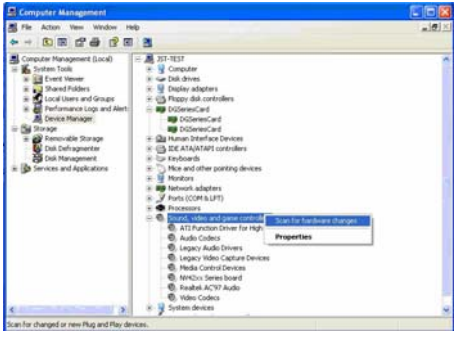
The driver shown as below is incorrect because it is the NV4004HC board inserted in slot 5, not DG board.



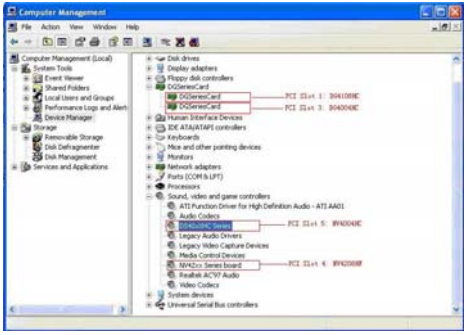
You need to uninstall it and install the correct driver for the card in that slot.



Then, single-right-click and select “Scan for hardware changes”. Follow the Hardware Wizard to install the proper driver manually.

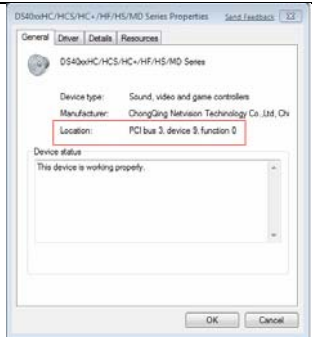


When all drivers are installed correctly, you can see the interface as below:



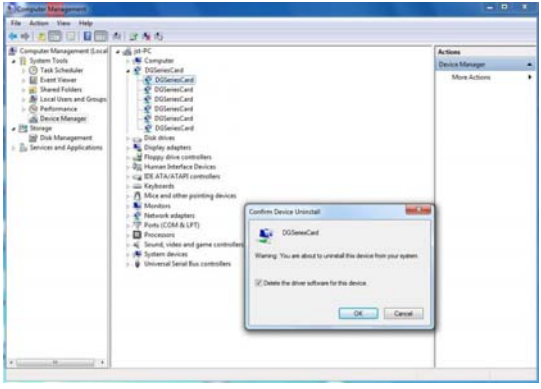
3.1.2 In Windows 7

Windows 7 will install drivers for most new hardware automatically. This process is good only if there is one type of new card installed in the system. If there is a mix of new DG and NV cards, Windows7 will only install one type of driver to all of these cards. This can be problematic and cannot be easily sorted out afterwards. Even if you single-right-click on one of the drivers' names and enter its properties in Device Manager, it will show only its location (marked with red box), but there is no "PCI Slot X" displayed and you cannot assign the right drivers based on the card slot number.



To make the different series cards work together in Windows 7, please follow this:

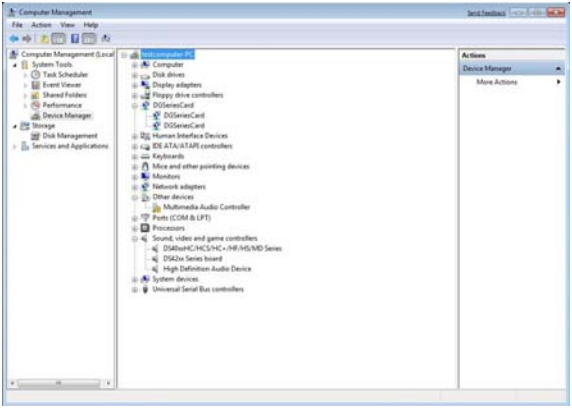
1. Install only one model of card into the PC, then, start up the computer. Then open the device manager to check if the drivers are installed correctly. Update the drivers if they are not proper ones. Please delete the wrong driver and check the option “Delete the driver software for the device” first. Then scan the hardware change and update the driver.



2. Shutdown the computer and remove the card(s) inserted in step 1. Insert another model of card(s) into another slot(s) of the PC. Please do not re-use slots that are allocated in step 1. Start the computer and repeat step 1.

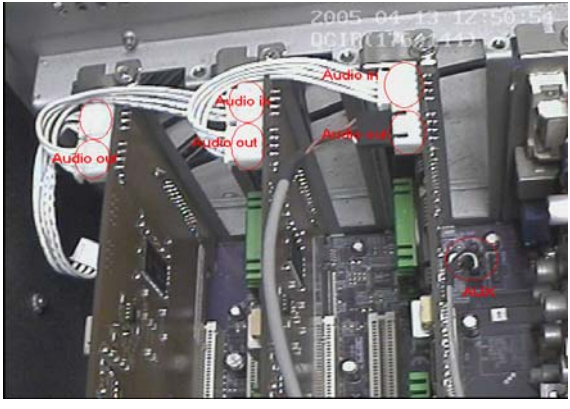
3. Repeat step 1 and 2 until all cards models have their drivers installed.

4. Insert all the cards into the corresponding slots where the drivers are allocated. For example, put the DG4008HC back to the same first slot when you install its driver. Then, re-start the computer. Different models of cards will work together in windows 7.

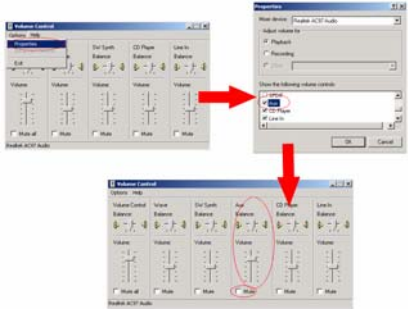

Computer Management
File Action View Help
Computer Management (Local
System Tools
Task Scheduler
Event Viewer
Shared Folders
Performance
Device Manager
Storage
Disk Management
Services and Applications
Computer
Disk drives
Display adapters
Floppy drive controllers
DGSeriesCard
DGSeriesCard
DGSeriesCard
Human Interface Devices
IDE ATA/ATAPI controllers
Keyboards
Mice and other pointing devices
Monitors
Network adapters
Other devices
Multimedia Audio Controller
Ports (COM & LPT)
Processors
Sound, video and game controllers
DS8xxHC/HCS/HC+/HHS/MD Series
DS42xx Series board
High Definition Audio Device
System devices
Universal Serial Bus controllers
Actions
Device Manager
More Actions

Chapter4 Audio Preview

The audio cable will be found in the package case of the board. Please connect the audio cable as follows:



Note: When there is no preview sound, double click the volume control in the taskbar, open the properties dialog box, and enable AUX control.



Then please enable the audio monitoring in DVR system setup.

Chapter5 Cable Connection

5.1 NV Series Card

4/8 CH board cable

VID1~VID4: Video input

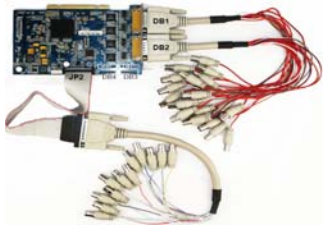
AID1~AID4: Audio input

16 CH board cable

VID1~8: Video input

AID1~2: Audio input

Each 16 CH board's cable has 8 channels video input and 2 channels audio input. There is a separate cable for the rest 12 channels audio inputs (audio 5-16). You need to connect the audio cable to port JP2 on the DVR board card. Take NV4216HC for example, the Video/Audio connection should be as below:



Audio&Video connection for 16CH board

DB1:Video1~8, Audio1~2 DB2: Video9~16, Audio3~4

JP2:Audio5~16

5.2 DG series card

5.2.1 DG 40xx series cable

4/8CH card cable

VID1~VID4: Video input

AID1~AID4: Audio input

16CH card cable

VID1~8: Video input

AID1~8: Audio input

5.2.2 DG 42xxHF series cable

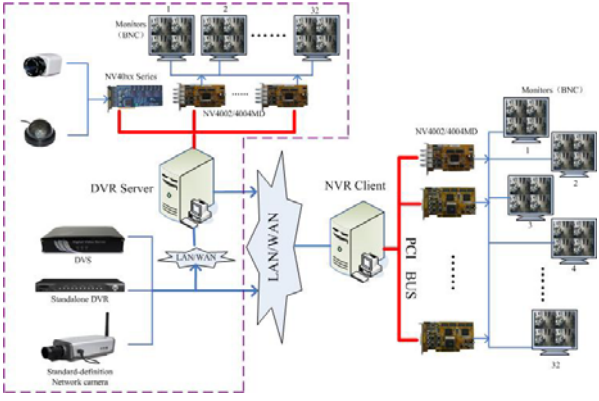
VID1~8: Video input AID1~8: Audio input

TV: Video output

Chapter6 Applications

6.1 Matrix Output

6.1.1 NV4002MD/4004MD

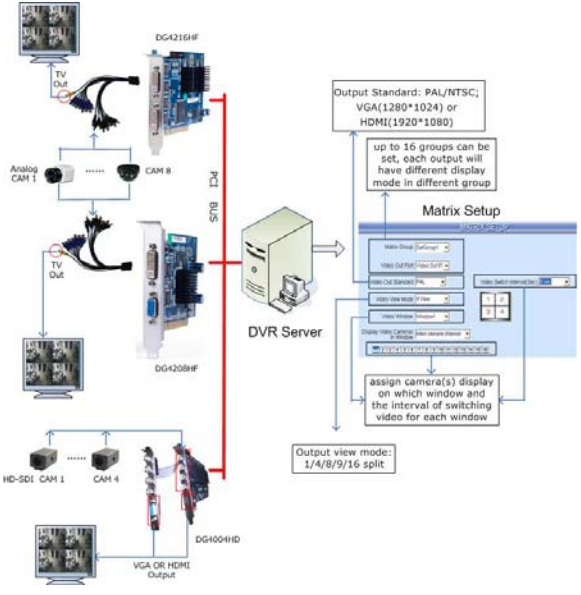


NV Matrix Board Work Sketch

At present, one PC can support up to 16 NV4002MD boards or 8 NV4004MD boards. That is to say, it can decode up to 64-channels with 32-channel video outputs.

All video from NV40xxHC boards, NV60xx (DVS), NV72xx/NV80xx (standalone DVR) and standard-definition IP cameras can be outputted via NV4002/4004MD boards.

6.1.2 DG4208HF/4216HF/4004HD


DG4216HF
TV Out
Analog CAM 1
CAM 8
PCI BUS
TV Out
DG4208HF
HD-SDI CAM 1
CAM 4
DG4004HD
VGA OR HDMI Output
DVR Server
Output Standard: PAL/NTSC; VGA(1280*1024) or HDMI(1920*1080)
up to 16 groups can be set, each output will have different display mode in different group
Matrix Setup
assign camera(s) display on which window and the interval of switching video for each window
Output view mode: 1/4/8/9/16 split

DG42xx Board with Output Port Work Stretch

DG4208 has one TV (BNC) output. The video can be outputted to TV with VGA interface. Multi splits 1/4/8/9 and tour function are supported.

DG4216 has two TV (BNC) outputs. But only the first port is available.

Multi splits 1 / 4 / 8 / 9/ 16 and tour function are supported.

DG4204HD card has one HDMI (1920*1080) output and one VGA (1280*1024) output. It supports 1/4 split view and tour function.

These cards can be mixed installed in one PC, and the outputs are configured independently. That means each card can only output its own cameras.

6.2 Motion Detection & Mask Setup

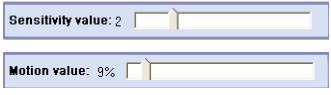
6.2.1 Motion Detection Setup

Press button to open the motion setup GUI.

Motion Detection Setup GUI

By default, the entire screen is set as “motion-detection-area” when there is a green border around the image. You can set up to 12 motion detect areas for each channel by drawing rectangles on the video window.

You can control the sensitivity of motion alarm in the motion detect area by adjusting the sensitivity value and motion value. Smaller value means higher sensitivity. The default value of Sensitivity and Motion are 2 and 5%.



Sound Alarm

Enable Sound Alarm and select a value from the drop-down list for the alarm. When the sound is detected over the value you selected, the software will take it as a motion alarm. Of course you need to connect an audio microphone for this option.

Motion Link to PTZ

The motion alarm is able to link up different assigned zones with preset(s) of PTZ camera(s) (both IP and Analog speed dome). You need to set the linked PTZ camera and its preset number for each detect zone. 4/8/16/32/64/128 zones can be set. In the previous diagram, 4 zones were set up; zone 03 is linked up with preset 9 of PTZ camera 01. Any motion detected within zone 3 will trigger and command PTZ camera 01 to go to preset 9.

The assigned zones have to be within the pre-set “motion-detect-area”.

Motion link to PTZ

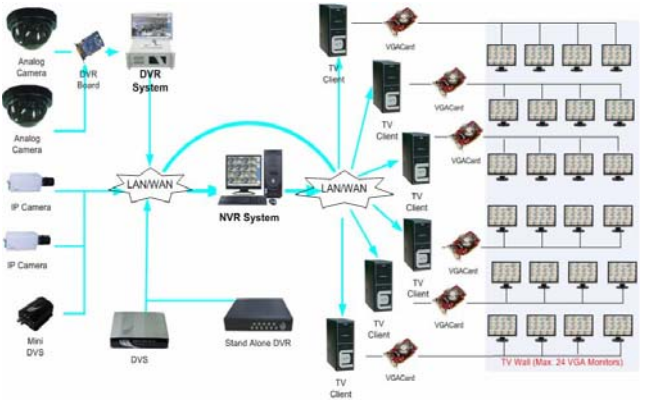
6.2.2 Add Mask

Press button ADD MASK to set the area to be shielded. Up to 12 areas can be set.

6.3 Virtual IP Matrix

PC Decoder is a pure IP based network Decoding & Matrix platform. By using this platform, user can decode all IP videos, such as video from Netvision DVR, standalone DVR, DVS and

IP cameras by distributing computers and output all videos to VGA monitors as matrix.



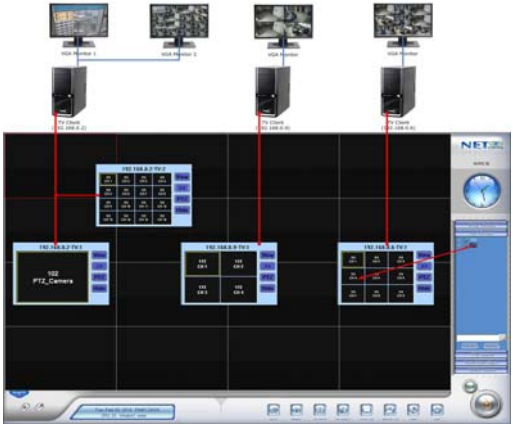
PC Decoder Application Structure

TV client can output videos (both SD and HD resolution) to a maximum of 24 VGA monitors.

Up to 16 groups can be set for each monitor. User can set view partitions and cameras to be decoded (and output).

Up to 16 partitions can be set for each VGA monitor.

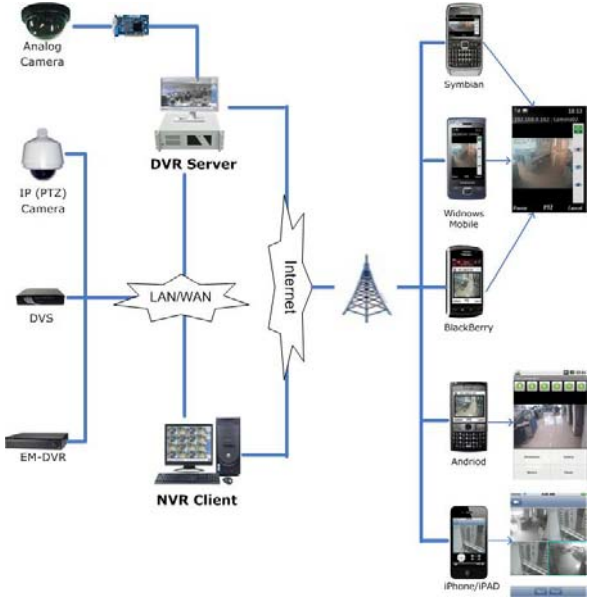
For more details, please refer to Manual of PC Decoder (for NVR Client)



PC Decoder Work Sketch (NVR Client)

6.4 Mobile Client

PDA such as Symbian, Windows Mobile, BlackBerry, Android and iPhone/iPad can connected to the DVR or NVR s/w for viewing and controlling PTZ by mobile client.



Mobile Client Work Stretch

For Windows Mobile and Symbian phone users, please download mobiledvr.jad and mobiledvr.jar from the DVR Server.

Note: Windows Phone 7 is not supported at present.

For BlackBerry users, please download BlackBerry.jad from DVR Server.

For Android phone users, please search and download “netdvrviewer” from Android Market.

For iPhone and iPad users, search and download “MobileClient” or “Net PCdvrviewer” from Online App Store.

Note: The App “Net PCdvrviewer” supports 4 split viewing. For all the NV series devices (including DVR board, DVR, standalone, IP cameras), users can only preview and control PTZ with “Net PCdvrviewer”. For all the other devices, users can also playback and download the record remotely with “Net PCdvrviewer”.

For details on how to use mobile client, please refer to our mobile client user manual.

6.5 POS-DVR System

Both analog and IP cameras are supported in POS system.

Any POS devices that send plain-text data based on ASCII code through serial port (RS-232-C) or network (TCP/IP).

The POS-DVR surveillance system has the following specifications:

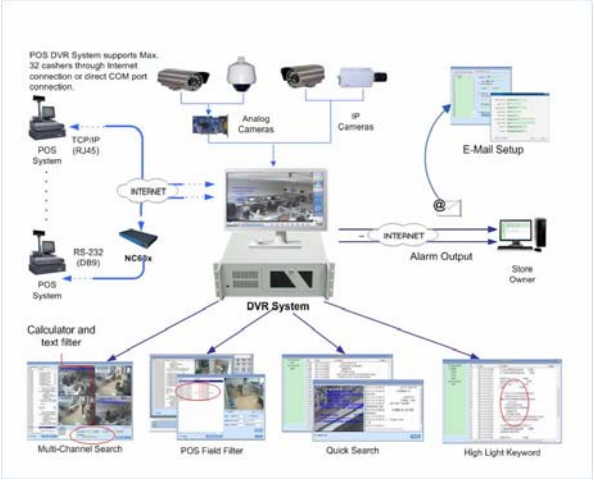
POS Text Overlay with Video: Display/hide transaction information over cameras’ video real-time; customize text positions and font, high light keywords.

Multi-Channels POS Search: Up to 4 channels search and playback with transaction data at the same time. Count and filter user-defined special transaction message.

Event Monitor: Store all transaction data in Microsoft Access format for statistics. User can click text message to view corresponding video record.

Alarm: output alarm and email notification.

For more details, please refer to our POS User Manual.



POS Application Work Sketch

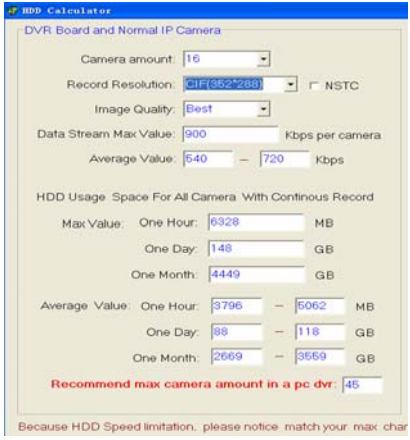
Chapter7 Appendix FAQ

1 Driver is on unavailable status when checking it in device manager after installing the driver with *DriverInstall.exe*.

Solution: Uninstall the unavailable driver and re-installed the driver manually. Then restart the computer.

2 HDD Calculator

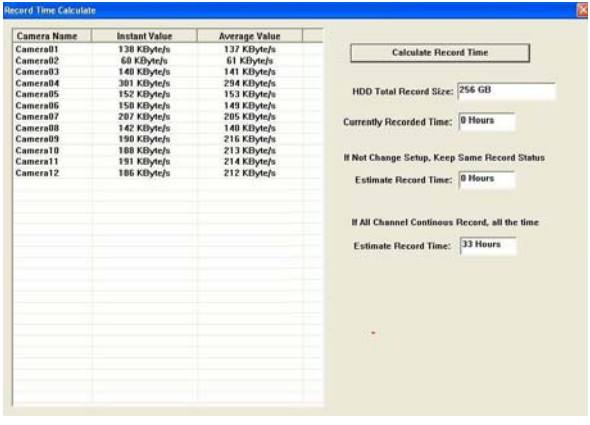
Solution: Before be the DVR Server is building, you can get a reference from the tool HDD Calculator.


HDD Calculator
DVR Board and Normal IP Camera
Camera amount: 16
Record Resolution: CIF(352*288)
NSTC
Image Quality: Best
Data Stream Max Value: 900 Kbps per camera
Average Value: 540 – 720 Kbps
HDD Usage Space For All Camera With Continous Record
Max Value: One Hour: 6328 MB
One Day: 148 GB
One Month: 4449 GB
Average Value: One Hour: 3796 – 5062 MB
One Day: 88 – 118 GB
One Month: 2669 – 3559 GB
Recommend max camera amount in a pc dvr: 45
Because HDD Speed limitation, please notice match your max char

According to the camera amount, record resolution and image quality, the tool will give a maximum and an average disk space requirement for all cameras with Normal Record.

When the DVR is built and you have assigned the disk for storing record by disk manager, the DVR software will be able to estimate how long of record the DVR Server can stored according to DVR system, the camera settings and the disk space.

Right-Single-Click on the preview GUI and select “Record Time Calculate”, you will get these informations: total disk space for recording, instant and average bit rate of each channel, currently how many hours of video record the DVR has stored and estimated hours of video the DVR can store if keep current settings.


Record Time Calculate
Camera Name
Instant Value
Average Value
Camera01 138 KByte/s 137 KByte/s
Camera02 60 KByte/s 61 KByte/s
Camera03 140 KByte/s 141 KByte/s
Camera04 301 KByte/s 294 KByte/s
Camera05 152 KByte/s 153 KByte/s
Camera06 150 KByte/s 149 KByte/s
Camera07 207 KByte/s 205 KByte/s
Camera08 142 KByte/s 140 KByte/s
Camera09 190 KByte/s 216 KByte/s
Camera10 188 KByte/s 213 KByte/s
Camera11 191 KByte/s 214 KByte/s
Camera12 186 KByte/s 212 KByte/s
Calculate Record Time
HDD Total Record Size: 256 GB
Currently Recorded Time: 0 Hours
If Not Change Setup, Keep Same Record Status
Estimate Record Time: 0 Hours
If All Channel Continous Record, all the time
Estimate Record Time: 33 Hours

For details about the Record Time Calculate, please refer to the DVR Server User Manual.

3 PC configurations for DVR Server

Solution: Different requirement for DVR (including the number of channels, resolution and frame rate for each camera, enable/disable sub stream and recording type) will require different PC configuration.

If you are not familiar with DVR system or you have no any existed familiar system for reference, please contact the technician for the PC configuration according to your specific requirement.